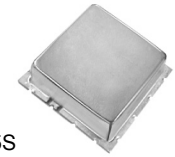
VOLTAGE CONTROLLED OSCILLATORS



165S

CERAMIC COAXIAL RESONATOR

FREQUENCY RANGE (MHz)	NOMINAL TUNING VOLTAGE (Volts)	DC BIAS REQUIREMENTS VOLTAGE (Volts)	DC BIAS REQUIREMENTS CURRENT (mA)	OUTPUT POWER dBm	OUTPUT POWER Tol. (dB)	AVERAGE TUNING SENSITIVITY MHz/Volt	TYPICAL PHASE NOISE dBc/Hz Offset at 10 KHz/100 KHz	TYPICAL HARMONIC SUPPRESSION (dBc)	PUSHING (MHz/Volt) (Typ)	PULLING (@ 1.75:1 VSWR) MHz (Typ)	PACKAGE	MODEL
284-319	2 - 12	+12	<40	+7	±3	4 - 10	-125/-150	10	2	2	165S	**CFO284SA***
681-716	1 - 8	+8	<40	+4	±2	4 - 6	-115/-135	10	1	5	165S	**CFO-S-698***
1079-1114	1 - 8	+8	<40	+5	±3	6 - 10	-115/-135	15	5	15	165S	**CFO1079SA***
1719-1791	1 - 8	+8	<40	+6	±3	10 - 14	-105/-130	10	2	5	165	**CFO1719PA***
1719-1791	1 - 8	+8	<40	+6	+3	10 - 14	-105/-130	10	2	5	165S	**CFO1719SA***
1785-1842	2 - 10	+12	<40	+6	+3	8 - 12	-105/-130	10	2	5	165	**CFO1785PA***
1785-1842	2 - 10	+12	<40	+6	±3	8 - 12	-105/-130	10	2	5	165S	**CFO1785SA***
2300-2320	1 - 10	+10	<40	+6	±2	8 - 12	-110/-135	12	2	5	165S	**CFO2300SA***

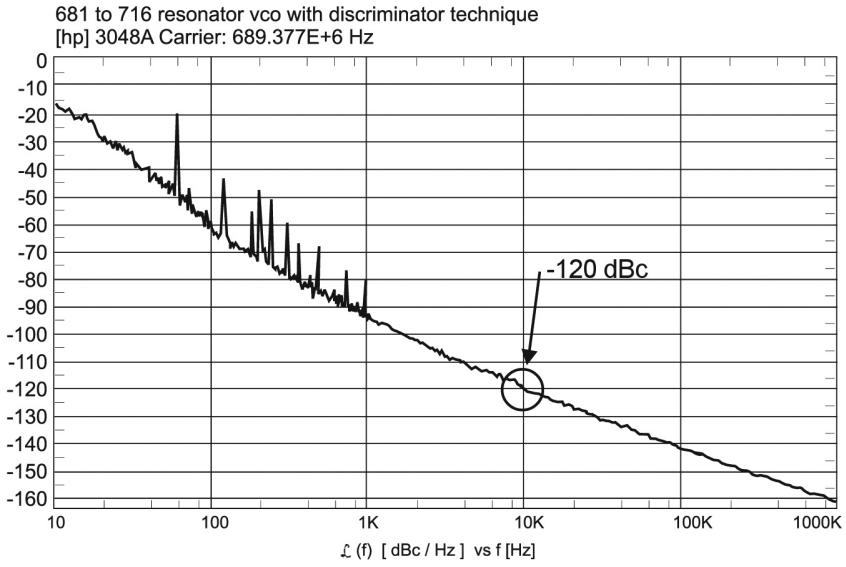
Note: *0.440 inches, maximum cover height

COMMON SPECIFICATIONS

- *Output Impedance: 50 ohms*
- *VSWR: 1.5:1 (Typ)*
- *Operating Temperature:-20°C to +70°C*
- *Contact the factory for more stringent operating temperature range*

For pin location and package outline drawings, see back pages.

Performance Plot



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